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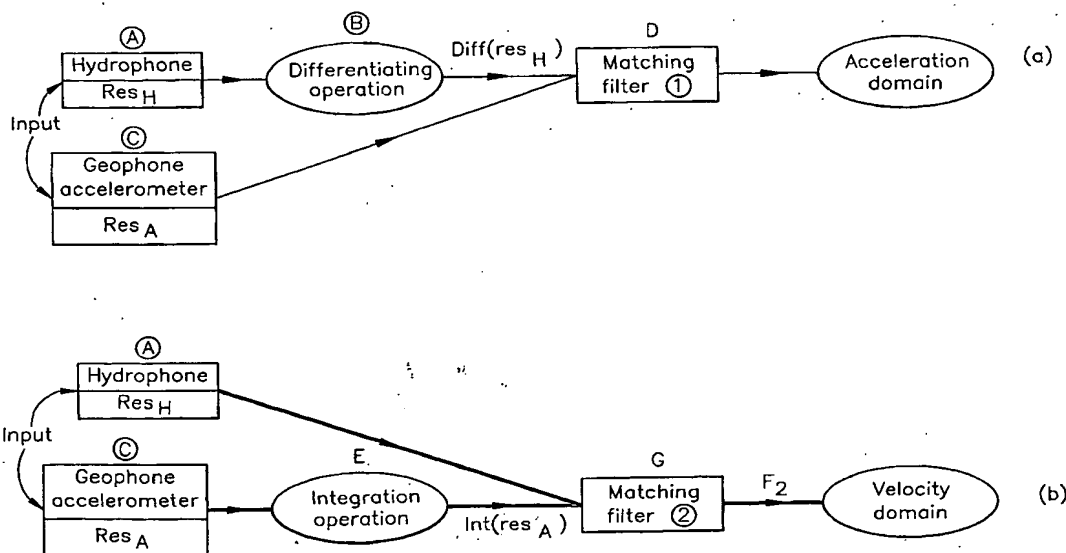
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(54) Title: PROCESSING SEISMIC DATA



(57) Abstract: A method of matching the impulse response of a hydrophone and the impulse response of a geophone accelerometer comprises performing a calculus operation upon the response of one of the hydrophone and the accelerometer. A filter is then derived from the output of the calculus operation and the response of the other of the hydrophone and the accelerometer. The filter may then be used to match seismic data acquired by the one of the hydrophone and the accelerometer to seismic data acquired by the other of the hydrophone and the accelerometer. The calculus operation may comprise differentiating the hydrophone response, or integrating the accelerometer impulse response.

INTERNATIONAL SEARCH REPORT

Inter Application No
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01V1/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 030 400 A (HUNTEC LTD) 2 April 1980 (1980-04-02) abstract figure 2	1-19
X	WO 00 55648 A (BEDNAR EUGENE D ; INPUT OUTPUT INC (US)) 21 September 2000 (2000-09-21) page 4, line 19 - line 24 abstract	1-19
X	US 5 408 441 A (BARR FREDERICK J ET AL) 18 April 1995 (1995-04-18) abstract; figure 13	1-19
A	US 4 222 266 A (THEODOULOU SAMUEL M) 16 September 1980 (1980-09-16) abstract; figure 1	1-19
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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